

Radiated Spurious Emission

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the emissions below the noise floor will not be recorded in the report.

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes. EUT stand-up position (Z axis), lie-down position (X, Y axis). Receiver antenna polarization (Horizontal and Vertical), the worst emission was found in position and the worst case and worst Antenna was recorded.

	Main Antenna
GSM	Y axis, Horizontal polarization
WCDMA	Y axis, Horizontal polarization
LTE	X axis, Vertical polarization

Main Antenna

Configurations 1

GSM 850 CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1673.06	-43.91	1.70	8.70	Horizontal	-39.06	-13.00	26.06	87
3	2509.80	-57.08	2.30	12.00	Horizontal	-49.53	-13.00	36.53	68
4	3346.40	-61.01	2.70	12.70	Horizontal	-53.16	-13.00	40.16	44
5	4183.00	-63.56	3.00	12.50	Horizontal	-56.21	-13.00	43.21	21
6	5019.60	-53.26	3.40	12.50	Horizontal	-46.31	-13.00	33.31	32
7	5856.20	-54.56	3.40	12.80	Horizontal	-47.31	-13.00	34.31	43
8	6692.80	-50.21	4.10	11.50	Horizontal	-44.96	-13.00	31.96	134
9	7529.40	-51.02	4.20	12.20	Horizontal	-45.17	-13.00	32.17	87
10	8366.00	-50.22	4.30	12.50	Horizontal	-44.17	-13.00	31.17	34
Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

GSM 1900 CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3760.00	-66.76	2.60	12.50	Horizontal	-56.86	-13.00	43.86	38
3	5640.00	-66.74	3.30	12.50	Horizontal	-57.54	-13.00	44.54	84
4	7520.00	-56.89	4.20	12.20	Horizontal	-48.89	-13.00	35.89	37
5	9400.00	-55.67	4.30	11.10	Horizontal	-48.87	-13.00	35.87	174
6	11280.00	-52.97	5.90	11.90	Horizontal	-46.97	-13.00	33.97	75
7	13160.00	-55.03	5.70	14.00	Horizontal	-46.73	-13.00	33.73	25
8	15040.00	-54.47	5.80	13.10	Horizontal	-47.17	-13.00	34.17	89
9	16920.00	-54.65	6.10	14.60	Horizontal	-46.15	-13.00	33.15	77
10	18800.00	--	--	--	--	--	--	--	--
Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

WCDMA Band V CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1671.20	-65.00	1.70	8.70	Horizontal	-60.15	-13.00	47.15	57
3	2510.40	-65.61	2.30	12.00	Horizontal	-58.06	-13.00	45.06	36
4	3346.40	-64.65	2.70	12.70	Horizontal	-56.80	-13.00	43.80	24
5	4183.00	-65.33	3.00	12.50	Horizontal	-57.98	-13.00	44.98	97
6	5019.60	-63.02	3.40	12.50	Horizontal	-56.07	-13.00	43.07	36
7	5856.20	-60.63	3.40	12.80	Horizontal	-53.38	-13.00	40.38	88
8	6692.80	-57.25	4.10	11.50	Horizontal	-52.00	-13.00	39.00	15
9	7529.40	-52.63	4.20	12.20	Horizontal	-46.78	-13.00	33.78	35
10	8366.00	-54.99	4.30	12.50	Horizontal	-48.94	-13.00	35.94	87

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Horizontal position.

LTE Band 2 CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
1.4MHz	2	3759.00	-66.61	2.60	12.50	Vertical	-56.71	-13.00	43.71	45
	3	5638.50	-54.82	3.30	12.50	Vertical	-45.62	-13.00	32.62	54
	4	7520.00	-53.64	4.20	12.20	Vertical	-45.64	-13.00	32.64	23
	5	9400.00	-52.21	4.30	11.10	Vertical	-45.41	-13.00	32.41	23
	6	11280.00	-50.18	5.90	11.90	Vertical	-44.18	-13.00	31.18	43
	7	13160.00	-52.82	5.70	14.00	Vertical	-44.52	-13.00	31.52	176
	8	15040.00	-51.26	5.80	13.10	Vertical	-43.96	-13.00	30.96	12
	9	16920.00	-52.13	6.10	14.60	Vertical	-43.63	-13.00	30.63	123
	10	18800.00	--	--	--	--	--	--	--	--
5MHz	2	3755.63	-67.64	2.60	12.50	Vertical	-57.74	-13.00	44.74	56
	3	5633.63	-58.35	3.30	12.50	Vertical	-49.15	-13.00	36.15	67
	4	7510.00	-54.29	4.20	12.20	Vertical	-46.29	-13.00	33.29	12
	5	9387.50	-52.85	4.30	11.10	Vertical	-46.05	-13.00	33.05	34
	6	11265.00	-49.82	5.90	11.90	Vertical	-43.82	-13.00	30.82	67
	7	13142.00	-52.79	5.70	14.00	Vertical	-44.49	-13.00	31.49	88
	8	15020.00	-52.22	5.80	13.10	Vertical	-44.92	-13.00	31.92	87
	9	16897.50	-52.07	6.10	14.60	Vertical	-43.57	-13.00	30.57	66
	10	18800.00	--	--	--	--	--	--	--	--
20MHz	2	3742.13	-68.68	2.60	12.50	Vertical	-58.78	-13.00	45.78	58
	3	5613.38	-56.18	3.30	12.50	Vertical	-46.98	-13.00	33.98	78
	4	7484.63	-54.43	4.20	12.20	Vertical	-46.43	-13.00	33.43	44
	5	9355.33	-52.88	4.30	11.10	Vertical	-46.08	-13.00	33.08	78
	6	11226.39	-52.07	5.90	11.90	Vertical	-46.07	-13.00	33.07	79
	7	13097.46	-52.23	5.70	14.00	Vertical	-43.93	-13.00	30.93	134
	8	14968.52	-50.61	5.80	13.10	Vertical	-43.31	-13.00	30.31	1376
	9	16938.59	-52.27	6.10	14.60	Vertical	-43.77	-13.00	30.77	76
	10	18800.00	--	--	--	--	--	--	--	--

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Vertical position.

LTE Band 5 CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
1.4MHz	2	1673.00	-72.71	1.70	8.70	Vertical	-67.86	-13.00	54.86	142
	3	2509.50	-70.15	2.30	12.00	Vertical	-62.60	-13.00	49.60	36
	4	3346.00	-65.52	2.70	12.70	Vertical	-57.67	-13.00	44.67	55
	5	4182.50	-64.58	3.00	12.50	Vertical	-57.23	-13.00	44.23	155
	6	5019.00	-62.14	3.40	12.50	Vertical	-55.19	-13.00	42.19	157
	7	5855.50	-59.97	3.40	12.80	Vertical	-52.72	-13.00	39.72	73
	8	6692.00	-55.35	4.10	11.50	Vertical	-50.10	-13.00	37.10	8
	9	7528.50	-50.91	4.20	12.20	Vertical	-45.06	-13.00	32.06	87
	10	8365.00	-54.57	4.30	12.50	Vertical	-48.52	-13.00	35.52	0
5MHz	2	1668.60	-72.64	1.70	8.70	Vertical	-67.79	-13.00	54.79	14
	3	2503.30	-58.02	2.30	12.00	Vertical	-50.47	-13.00	37.47	86
	4	3337.50	-66.39	2.70	12.70	Vertical	-58.54	-13.00	45.54	78
	5	4171.88	-63.99	3.00	12.50	Vertical	-56.64	-13.00	43.64	79
	6	5006.25	-62.29	3.40	12.50	Vertical	-55.34	-13.00	42.34	55
	7	5840.63	-60.32	3.40	12.80	Vertical	-53.07	-13.00	40.07	75
	8	6675.00	-55.35	4.10	11.50	Vertical	-50.10	-13.00	37.10	76
	9	7509.38	-52.10	4.20	12.20	Vertical	-46.25	-13.00	33.25	86
	10	8343.75	-54.06	4.30	12.50	Vertical	-48.01	-13.00	35.01	78
10MHz	2	1664.40	-72.84	1.70	8.70	Vertical	-67.99	-13.00	54.99	123
	3	2496.60	-54.12	2.30	12.00	Vertical	-46.57	-13.00	33.57	89
	4	3326.00	-66.51	2.70	12.70	Vertical	-58.66	-13.00	45.66	44
	5	4157.50	-64.56	3.00	12.50	Vertical	-57.21	-13.00	44.21	0
	6	4989.00	-61.62	3.40	12.50	Vertical	-54.67	-13.00	41.67	78
	7	5820.50	-60.95	3.40	12.80	Vertical	-53.70	-13.00	40.70	79
	8	6652.00	-55.55	4.10	11.50	Vertical	-50.30	-13.00	37.30	55
	9	7483.50	-52.76	4.20	12.20	Vertical	-46.91	-13.00	33.91	75
	10	8315.00	-54.49	4.30	12.50	Vertical	-48.44	-13.00	35.44	23

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Vertical position.

LTE Band 7 CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
5MHz	2	5052.20	-62.92	3.40	12.50	Vertical	-53.82	-25.00	28.82	66
	3	7578.30	-53.96	4.40	12.20	Vertical	-46.16	-25.00	21.16	21
	4	10104.40	-53.68	4.70	11.30	Vertical	-47.08	-25.00	22.08	34
	5	12630.50	-51.91	5.40	13.20	Vertical	-44.11	-25.00	19.11	65
	6	15156.60	-51.47	6.10	13.10	Vertical	-44.47	-25.00	19.47	76
	7	17745.00	-50.19	6.10	14.20	Vertical	-42.09	-25.00	17.09	0
	8	20208.80	--	--	--	--	--	--	--	--
	9	22734.90	--	--	--	--	--	--	--	--
	10	25261.00	--	--	--	--	--	--	--	--
20MHz	2	5065.80	-64.55	3.40	12.50	Vertical	-55.45	-25.00	30.45	73
	3	7598.60	-55.41	4.40	12.20	Vertical	-47.61	-25.00	22.61	8
	4	10130.63	-52.30	4.70	11.30	Vertical	-45.70	-25.00	20.70	87
	5	12675.00	-51.95	5.40	13.20	Vertical	-44.15	-25.00	19.15	0
	6	15210.00	-51.66	6.10	13.10	Vertical	-44.66	-25.00	19.66	78
	7	17745.00	-51.48	6.10	14.20	Vertical	-43.38	-25.00	18.38	66
	8	20280.00	--	--	--	--	--	--	--	--
	9	22815.00	--	--	--	--	--	--	--	--
	10	25350.00	--	--	--	--	--	--	--	--
Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.										
2. The worst emission was found in the antenna is Vertical position.										

LTE Band 38 CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
5MHz	2	5185.00	-63.54	3.20	12.50	Vertical	-54.24	-25.00	29.24	35
	3	7777.50	-54.31	4.40	12.30	Vertical	-46.41	-25.00	21.41	38
	4	10370.00	-51.89	4.70	11.80	Vertical	-44.79	-25.00	19.79	65
	5	12962.50	-51.38	5.40	14.00	Vertical	-42.78	-25.00	17.78	133
	6	15555.00	-51.96	6.10	16.80	Vertical	-41.26	-25.00	16.26	46
	7	18147.50	--	--	--	--	--	--	--	--
	8	20740.00	--	--	--	--	--	--	--	--
	9	23332.50	--	--	--	--	--	--	--	--
	10	25925.00	--	--	--	--	--	--	--	--
20MHz	2	5170.00	-63.42	3.20	12.50	Vertical	-54.12	-25.00	29.12	97
	3	7755.00	-56.53	4.40	12.30	Vertical	-48.63	-25.00	23.63	53
	4	10340.00	-54.50	4.70	11.80	Vertical	-47.40	-25.00	22.40	56
	5	12925.00	-52.76	5.40	14.00	Vertical	-44.16	-25.00	19.16	66
	6	15510.00	-56.65	6.10	16.80	Vertical	-45.95	-25.00	20.95	34
	7	18095.00	--	--	--	--	--	--	--	--
	8	20680.00	--	--	--	--	--	--	--	--
	9	23265.00	--	--	--	--	--	--	--	--
	10	25850.00	--	--	--	--	--	--	--	--
Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.										

LTE Band 41 CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
5MHz	2	5181.00	-64.51	3.20	12.50	Vertical	-55.21	-25.00	30.21	135
	3	7771.50	-54.85	4.40	12.30	Vertical	-46.95	-25.00	21.95	45
	4	10362.00	-50.98	4.70	11.80	Vertical	-43.88	-25.00	18.88	133
	5	13952.50	-50.76	5.40	14.00	Vertical	-42.16	-25.00	17.16	45
	6	15543.00	-55.20	6.10	16.80	Vertical	-44.50	-25.00	19.50	6
	7	18133.50	--	--	--	--	--	--	--	--
	8	20653.20	--	--	--	--	--	--	--	--
	9	23234.85	--	--	--	--	--	--	--	--
	10	25816.50	--	--	--	--	--	--	--	--
20MHz	2	5166.00	-63.09	3.20	12.50	Vertical	-53.79	-25.00	28.79	78
	3	7749.00	-56.57	4.40	12.30	Vertical	-48.67	-25.00	23.67	90
	4	10332.00	-51.94	4.70	11.80	Vertical	-44.84	-25.00	19.84	34
	5	12915.00	-53.16	5.40	14.00	Vertical	-44.56	-25.00	19.56	56
	6	15498.00	-56.35	6.10	16.80	Vertical	-45.65	-25.00	20.65	87
	7	18023.60	--	--	--	--	--	--	--	--
	8	20598.40	--	--	--	--	--	--	--	--
	9	23173.20	--	--	--	--	--	--	--	--
	10	25748.00	--	--	--	--	--	--	--	--
Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.										

Configurations 2

LTE Band 38 CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
5MHz	2	5185.00	-64.89	3.20	12.50	Vertical	-55.59	-25.00	30.59	54
	3	7777.50	-57.81	4.40	12.30	Vertical	-49.91	-25.00	24.91	23
	4	10370.00	-53.47	4.70	11.80	Vertical	-46.37	-25.00	21.37	65
	5	12962.50	-52.97	5.40	14.00	Vertical	-44.37	-25.00	19.37	111
	6	15555.00	-57.10	6.10	16.80	Vertical	-46.40	-25.00	21.40	45
	7	18147.50	--	--	--	--	--	--	--	--
	8	20740.00	--	--	--	--	--	--	--	--
	9	23332.50	--	--	--	--	--	--	--	--
	10	25925.00	--	--	--	--	--	--	--	--
20MHz	2	5170.00	-65.00	3.20	12.50	Vertical	-55.70	-25.00	30.70	97
	3	7755.00	-57.32	4.40	12.30	Vertical	-49.42	-25.00	24.42	53
	4	10340.00	-53.90	4.70	11.80	Vertical	-46.80	-25.00	21.80	56
	5	12925.00	-52.71	5.40	14.00	Vertical	-44.11	-25.00	19.11	66
	6	15510.00	-57.38	6.10	16.80	Vertical	-46.68	-25.00	21.68	34
	7	18095.00	--	--	--	--	--	--	--	--
	8	20680.00	--	--	--	--	--	--	--	--
	9	23265.00	--	--	--	--	--	--	--	--
	10	25850.00	--	--	--	--	--	--	--	--
Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.										

Configurations3

LTE Band 38 CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
5MHz	2	5185.00	-63.65	3.20	12.50	Vertical	-54.35	-25.00	29.35	54
	3	7777.50	-57.60	4.40	12.30	Vertical	-49.70	-25.00	24.70	23
	4	10370.00	-51.77	4.70	11.80	Vertical	-44.67	-25.00	19.67	65
	5	12962.50	-53.71	5.40	14.00	Vertical	-45.11	-25.00	20.11	111
	6	15555.00	-56.25	6.10	16.80	Vertical	-45.55	-25.00	20.55	45
	7	18147.50	--	--	--	--	--	--	--	--
	8	20740.00	--	--	--	--	--	--	--	--
	9	23332.50	--	--	--	--	--	--	--	--
	10	25925.00	--	--	--	--	--	--	--	--
20MHz	2	5170.00	-64.79	3.20	12.50	Vertical	-55.49	-25.00	30.49	97
	3	7755.00	-58.22	4.40	12.30	Vertical	-50.32	-25.00	25.32	53
	4	10340.00	-51.40	4.70	11.80	Vertical	-44.30	-25.00	19.30	56
	5	12925.00	-52.29	5.40	14.00	Vertical	-43.69	-25.00	18.69	66
	6	15510.00	-58.01	6.10	16.80	Vertical	-47.31	-25.00	22.31	34
	7	18095.00	--	--	--	--	--	--	--	--
	8	20680.00	--	--	--	--	--	--	--	--
	9	23265.00	--	--	--	--	--	--	--	--
	10	25850.00	--	--	--	--	--	--	--	--

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Vertical position.

Configurations4

LTE Band 38 CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
5MHz	2	5185.00	-65.15	3.20	12.50	Vertical	-55.85	-25.00	30.85	54
	3	7777.50	-56.33	4.40	12.30	Vertical	-48.43	-25.00	23.43	23
	4	10370.00	-52.80	4.70	11.80	Vertical	-45.70	-25.00	20.70	65
	5	12962.50	-52.42	5.40	14.00	Vertical	-43.82	-25.00	18.82	111
	6	15555.00	-56.71	6.10	16.80	Vertical	-46.01	-25.00	21.01	45
	7	18147.50	--	--	--	--	--	--	--	--
	8	20740.00	--	--	--	--	--	--	--	--
	9	23332.50	--	--	--	--	--	--	--	--
	10	25925.00	--	--	--	--	--	--	--	--
20MHz	2	5170.00	-65.51	3.20	12.50	Vertical	-56.21	-25.00	31.21	97
	3	7755.00	-57.53	4.40	12.30	Vertical	-49.63	-25.00	24.63	53
	4	10340.00	-53.35	4.70	11.80	Vertical	-46.25	-25.00	21.25	56
	5	12925.00	-53.44	5.40	14.00	Vertical	-44.84	-25.00	19.84	66
	6	15510.00	-56.12	6.10	16.80	Vertical	-45.42	-25.00	20.42	34
	7	18095.00	--	--	--	--	--	--	--	--
	8	20680.00	--	--	--	--	--	--	--	--
	9	23265.00	--	--	--	--	--	--	--	--
	10	25850.00	--	--	--	--	--	--	--	--
Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.										

Configurations 5

LTE Band 38 CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
5MHz	2	5185.00	-66.11	3.20	12.50	Vertical	-56.81	-25.00	31.81	54
	3	7777.50	-57.19	4.40	12.30	Vertical	-49.29	-25.00	24.29	23
	4	10370.00	-52.87	4.70	11.80	Vertical	-45.77	-25.00	20.77	65
	5	12962.50	-53.68	5.40	14.00	Vertical	-45.08	-25.00	20.08	111
	6	15555.00	-58.10	6.10	16.80	Vertical	-47.40	-25.00	22.40	45
	7	18147.50	--	--	--	--	--	--	--	--
	8	20740.00	--	--	--	--	--	--	--	--
	9	23332.50	--	--	--	--	--	--	--	--
	10	25925.00	--	--	--	--	--	--	--	--
20MHz	2	5170.00	-64.35	3.20	12.50	Vertical	-55.05	-25.00	30.05	97
	3	7755.00	-57.57	4.40	12.30	Vertical	-49.67	-25.00	24.67	53
	4	10340.00	-52.04	4.70	11.80	Vertical	-44.94	-25.00	19.94	56
	5	12925.00	-52.51	5.40	14.00	Vertical	-43.91	-25.00	18.91	66
	6	15510.00	-56.87	6.10	16.80	Vertical	-46.17	-25.00	21.17	34
	7	18095.00	--	--	--	--	--	--	--	--
	8	20680.00	--	--	--	--	--	--	--	--
	9	23265.00	--	--	--	--	--	--	--	--
	10	25850.00	--	--	--	--	--	--	--	--

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Vertical position.

Configurations 6

LTE Band 38 CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
5MHz	2	5185.00	-64.08	3.20	12.50	Vertical	-54.78	-25.00	29.78	54
	3	7777.50	-56.04	4.40	12.30	Vertical	-48.14	-25.00	23.14	23
	4	10370.00	-53.00	4.70	11.80	Vertical	-45.90	-25.00	20.90	65
	5	12962.50	-53.88	5.40	14.00	Vertical	-45.28	-25.00	20.28	111
	6	15555.00	-58.54	6.10	16.80	Vertical	-47.84	-25.00	22.84	45
	7	18147.50	--	--	--	--	--	--	--	--
	8	20740.00	--	--	--	--	--	--	--	--
	9	23332.50	--	--	--	--	--	--	--	--
	10	25925.00	--	--	--	--	--	--	--	--
20MHz	2	5170.00	-65.66	3.20	12.50	Vertical	-56.36	-25.00	31.36	97
	3	7755.00	-57.70	4.40	12.30	Vertical	-49.80	-25.00	24.80	53
	4	10340.00	-52.62	4.70	11.80	Vertical	-45.52	-25.00	20.52	56
	5	12925.00	-53.41	5.40	14.00	Vertical	-44.81	-25.00	19.81	66
	6	15510.00	-56.77	6.10	16.80	Vertical	-46.07	-25.00	21.07	34
	7	18095.00	--	--	--	--	--	--	--	--
	8	20680.00	--	--	--	--	--	--	--	--
	9	23265.00	--	--	--	--	--	--	--	--
	10	25850.00	--	--	--	--	--	--	--	--
Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.										

Configurations 7

LTE Band 38 CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
5MHz	2	5185.00	-61.37	3.20	12.50	Vertical	-52.07	-25.00	27.07	54
	3	7777.50	-53.43	4.40	12.30	Vertical	-45.53	-25.00	20.53	23
	4	10370.00	-51.36	4.70	11.80	Vertical	-44.26	-25.00	19.26	65
	5	12962.50	-53.03	5.40	14.00	Vertical	-44.43	-25.00	19.43	111
	6	15555.00	-56.75	6.10	16.80	Vertical	-46.05	-25.00	21.05	45
	7	18147.50	--	--	--	--	--	--	--	--
	8	20740.00	--	--	--	--	--	--	--	--
	9	23332.50	--	--	--	--	--	--	--	--
	10	25925.00	--	--	--	--	--	--	--	--
20MHz	2	5170.00	-59.28	3.20	12.50	Vertical	-49.98	-25.00	24.98	97
	3	7755.00	-54.99	4.40	12.30	Vertical	-47.09	-25.00	22.09	53
	4	10340.00	-51.81	4.70	11.80	Vertical	-44.71	-25.00	19.71	56
	5	12925.00	-52.77	5.40	14.00	Vertical	-44.17	-25.00	19.17	66
	6	15510.00	-56.47	6.10	16.80	Vertical	-45.77	-25.00	20.77	34
	7	18095.00	--	--	--	--	--	--	--	--
	8	20680.00	--	--	--	--	--	--	--	--
	9	23265.00	--	--	--	--	--	--	--	--
	10	25850.00	--	--	--	--	--	--	--	--
Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.										
2. The worst emission was found in the antenna is Vertical position.										

Configurations 8

LTE Band 38 CH-Middle

Band width	Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
5MHz	2	5185.00	-63.69	3.20	12.50	Vertical	-54.39	-25.00	29.39	54
	3	7777.50	-57.12	4.40	12.30	Vertical	-49.22	-25.00	24.22	23
	4	10370.00	-51.24	4.70	11.80	Vertical	-44.14	-25.00	19.14	65
	5	12962.50	-51.99	5.40	14.00	Vertical	-43.39	-25.00	18.39	111
	6	15555.00	-58.40	6.10	16.80	Vertical	-47.70	-25.00	22.70	45
	7	18147.50	--	--	--	--	--	--	--	--
	8	20740.00	--	--	--	--	--	--	--	--
	9	23332.50	--	--	--	--	--	--	--	--
	10	25925.00	--	--	--	--	--	--	--	--
20MHz	2	5170.00	-65.13	3.20	12.50	Vertical	-55.83	-25.00	30.83	97
	3	7755.00	-56.31	4.40	12.30	Vertical	-48.41	-25.00	23.41	53
	4	10340.00	-53.00	4.70	11.80	Vertical	-45.90	-25.00	20.90	56
	5	12925.00	-52.83	5.40	14.00	Vertical	-44.23	-25.00	19.23	66
	6	15510.00	-57.25	6.10	16.80	Vertical	-46.55	-25.00	21.55	34
	7	18095.00	--	--	--	--	--	--	--	--
	8	20680.00	--	--	--	--	--	--	--	--
	9	23265.00	--	--	--	--	--	--	--	--
	10	25850.00	--	--	--	--	--	--	--	--
Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.										